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Standing Wave Ratio Detector

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STANDING WAVE RATIO DETECTOR

A Final Report

for

EET 499

Senior Design Project

Prepared by

Lawrence J. George

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May 10, 1971

ABSTRACT

The Standing Wave Ratio Detector offers several advantages over the popular, low-cost SWR meters currently on the commercial market. The SWR detector can be used as a constant monitor of the Standing Wave Ratio of a transmission line. Single-Side-Band or Amplitude-Modulation mode of communications does not effect the operation of the detector. However, there is considerable room for improvement, since the accuracy of the SWR reading obtained from the detector is questionable.

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